

WHAT IS CLAIMED IS:

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A 1. A multichannel-type radio frequency modulation circuit  
for a set-top box, comprising:

5 a switch turned on/off in response to a switching voltage  
for passing/blocking a radio frequency signal from a radio  
frequency input terminal to a radio frequency output terminal;

modulation means enabled in response to operating voltages  
for modulating input audio signals and video signals into  
10 television signals at a plurality of channels, respectively; and

a mixer for mixing the television signals modulated by said  
modulation means respectively with the radio frequency signal  
passed by said switch and outputting the resulting signals  
respectively to connected televisions via said radio frequency  
15 output terminal.

2. The multichannel-type radio frequency modulation circuit  
as set forth in Claim 1, wherein said modulation means includes a  
plurality of modulators, each of said modulators being enabled in  
20 response to a corresponding one of said operating voltages to  
modulate a corresponding one of said input audio signals and a  
corresponding one of said input video signals into a corresponding  
one of said television signals at said plurality of channels, said  
plurality of channels being set to be independent of one another.